

A SEWER BOARD OF THE CIVIL CITY OF NEW ALBANY, INDIANA, WILL HOLD A SPECIAL MEETING AT THE SEWER PLANT ON FRIDAY, MAY 23, 2008 AT 9:00 A.M.

PRESENT: Chairman Ron Carroll, Vice Chairman Bill Utz, Elizabeth Coyle.

OTHERS:, Brian Dixon and Chris Conrad, EMC, Paul Elling, Donahue, and City Clerk Marcey Wisman.

Mr. Carroll called the meeting to order at 9:09 a.m.

Mr. Elling gave an over view of a conversation that he had with an agent from CSX and 15th Street. The gentleman is extremely concerned about the 15th Street line caving in. He stated that they are not finding any deep voids they are all up top close to the lines.

There was a lengthy discussion regarding the soil conditions surrounding the 15th Street line and the in flow and blockage in the line.

Mr. Dixon asked if the CSX agent had any suggestions.

Mr. Elling stated that he suggested grouting under the tracks. He stated that the line directly under the tracks he is not as worried about because they are iron. He stated that ductile iron pipe is not usually recommended for sewer lines because the sewage corrodes the iron, but he believes that this should be lined. He stated that there are also several blind tees in this line so it makes it very difficult to televise.

Mr. Dixon asked if this project could be done in sections.

Mr. Elling explained that there are sections that are in worse condition and the clay pipe is crushing in spots and there are areas where there are holes in certain sections. He said that there are lines with hairline cracks that can be lined.

There was a lengthy discussion regarding the location of the severe sections and whether or not they could make repairs with street cuts or lined through the man hole.

Mr. Carroll asked what they should do about the big hole that is between Culbertson and Oak.

Mr. Elling stated that at this time he would just recommend back fill with gravel.

Mr. Carroll asked what our situation is with CSX.

There was a lengthy discussion regarding the fact that the tracks are not affecting the sewer lines but they are damaging the storm water line and where the storm water board would be able to get the money to make these repairs.

There was a lengthy discussion regarding doing a full repair of the sanitary sewer lines rather than patching.

The board chose to make a decision at the next regular board meeting regarding proceeding with the 15th Street project.

Mr. Carroll asked where they were going to put the gravel.

Mr. Elling stated that they are going to fill up the voids next to the man holes. He suggested that they not use open grated material because it will allow all the sandy soil to infiltrate right in.

Mrs. Coyle stated that they should repair/replace them not just fill them.

Mr. Dixon stated that it is a safety issue right now.

Mrs. Coyle asked if they could not get them replaced quick enough right now.

Mr. Dixon stated that he can't authorize anyone to do the work because_____

Mr. Elling stated that if they fill the voids they will have addressed the immediate safety issues.

Mr. Dixon stated that filling them is not going to be a costly thing to dig out either because the rock will be easy to dig out and the only thing that is wasted is a few man hours to address the issue now until it can be replaced.

It was decided by the board to go ahead and get the voids filled today to address the immediate concerns.

Mr. Elling stated that Mr. Dixon had informed the Mayor that he would get those filled next week and asked if the board could get him up to speed on what they were doing.

Mr. Carroll stated that he would let him know the decision of the board and asked Mr. Dixon if he could get started on this Tuesday.

Mr. Dixon stated that he would.

Mrs. Coyle asked Mr. Elling if he thought they needed to look at alternatives for the sewers.

Mr. Elling stated that none of them are necessary for immediate failures.

Mrs. Coyle stated that they do have things that are about to fail so she is having trouble with this idea.

Mr. Dixon stated that from a safety standpoint he needs to do something but from a sewer standpoint it is operating ok.

Mrs. Coyle stated that there are things that are sinking into the ground and to her that is failing and they need to address these things immediately. She stated that at the next board meeting they need to make a motion to get them done.

Mr. Dixon stated that the rock he can take care of right away.

Mr. Elling stated if they are going to make a motion to go ahead with the engineering of the corrections he would like to know what the motion is going to say and if it is going to pertain to the sanitary side or the sanitary and storm.

Mr. Carroll stated it would be for sanitary because they do not deal with the storm water.

Mrs. Coyle stated that the storm water is going to take more time anyway because they have to do five alternatives for them.

Mr. Elling stated that he already has the five alternatives done and he will be taking them to the board.

Mrs. Coyle stated that he should get those to her, Ron and Brad and at the next meeting they will pick on of the alternatives and run with it.

Mr. Elling moved on to the issue of flow monitoring and reviewed item number three of the workshop memo which is on file with the City Clerks office. He explained to them that currently they do not have the capability of getting flow reports for day to day flows. He then explained how the current telemetry system works.

There was a lengthy discussing regarding how they are gauging the day to day flows.

Mr. Carroll had to leave for a meeting with MAC Construction.

Mr. Elling stated that what he needs to find out today is what reports they eventually want so that they can figure out what system changes and upgrades they need so that he can put together a proposal.

Mr. Conrad asked if they are just talking about lift stations

Mr. Elling stated not every lift station but it will ultimately include all the main ones.

Mrs. Coyle stated that she would think that it would eventually need to read at 30 minutes because of all the data they need to pick up such as we weather flow patterns and pump station contribution.

Mr. Elling stated that he suggested that they have at the very least daily-hourly maximums just to try and get some of these recorded and then it is just a matter of how much data they can handle.

Mr. Dixon asked if they are battery operated.

Mr. Elling said no and explained that any station that is going to be installed is going to end up being fully powered.

Ms. Coyle stated that the most important part of this is reading the data on a daily basis rather than just archiving it and no one ever reading the data.

Mr. Dixon stated that he would recommend they contact whoever is installing the meters because they should give them a recommendation on how many times it should be serviced, what should be services and when. He stated then they can set up a work force to take care of this.

There was a lengthy discussion regarding whether they would require 5 minute or 15 minute reading and how long they would archive information. They also discussed the means of archiving said data and making sure that there was someone to read the data on a regular basis.

Mr. Elling stated that they would have 5 minute readings that will be archived for 10 years. He asked Mr. Conrad how he reads his rain meters.

Mr. Conrad stated that he has three rain gauges that he has to go out to the lift stations to read. He informed them that they gauge every 15 minutes and he only goes out to get readings after rain events.

Mrs. Coyle stated that if they are getting 15 minutes readings on the rain gauges they should synchronize the flow meters and this would be easier to manage.

Mr. Conrad stated that the rain gauges collect every 15 minutes and they collect adequate data in that time frame. He stated that with the ISCOS?? They have ones now that have dual collections that will actually combine the data.

Mr. Utz asked Mr. Conrad if he would be okay with the 15 minute data collection.

Mr. Conrad stated that it would be sufficient to get what they want.

Mr. Utz asked what the “other locations” was for on the sheet.

Mr. Carroll stated that it was there just in case they wanted to add anything else.

Mrs. Coyle stated that she would like to add 16th Street with the overflows and asked if they had anything installed to record this.

Mr. Dixon stated that they have flow meter installed at the discharge end but they had a problem with where the original flow meter was installed and it now picks up a little bit different areas because the pipe and location areas have changed. He stated that they do have it at the downstream end of Basin 16 and it will be as close as it can be.

Mrs. Coyle stated that they need to go back and look at the design flows to what they are seeing and at least do some comparison.

Mr. Dixon stated that he has a portable velocity meter that they can stick down in the channel and get a velocity reading but depending on where they take the reading it can vary quite a bit.

Mr. Conrad stated that it might be a good idea for them to go around and pop some of the manholes to get some readings.

Mr. Utz stated that based on what he is hearing 16th Street doesn't qualify for the “other locations.”

Mr. Elling stated that he doesn't want to get into tying those temporary meters back in but they might want to have the same data repository for these and they can be used to compare for future reference.

Mr. Utz state that he is very concerned with what seems to be the over all increase in flows especially with Basin 14 which has a relatively short design life.

Mr. Coyle stated that the typical design storms that they use for their basis are at best every ten years and their designs aren't able to take into consideration a large enough period of documentation.

Mr. Elling stated that he worked with Hans a little on the swim model for how Basin 14 is set up and the problem that he sees with it is that most of the flow through there is storm water and most of that was estimated on flow records from 2000-2001 so there is a fair degree of uncertainty on what the numbers actually should be.

Mrs. Coyle stated that she has seen problems in the past where you build out based on the design storm based on the public side when actually the worst of the problems were actually on the private side and were worse than anticipated and trying to get into everyone's basements, and storm lines etc. is a massive undertaking.

Mr. Utz stated that he had a discussion with another engineer and he said that if you have an old system and a lot of infiltrations and the pipes are running full, how you know that there isn't more water that would like to get in and now that you have eased out the system more will get in.

There was a lengthy discussion regarding Basin 14 and the problems and possible preventions that need to be addressed.

Mr. Elling stated that even if they do a _____ study and they find massive sources of infiltration how do they know which ones to fix.

Ms. Coyle stated that they fix the ones they own, which is the public side and they need to enforce the ordinance that they have on file to make the private side comply.

Mr. Utz stated at one time they had discussed proposing an ordinance that stated that any time there is a piece of property sold that they have to go back and check the lateral that time and it has to be brought up to spec.

Mrs. Coyle stated that she agrees with this and a lot of cities have started doing this.

Mr. Utz stated that they went through and had a supposed sub-pump removal and disconnected but he would guess that some of them have been reconnected.

Mrs. Coyle asked if this could be something they could do a new ordinance on file or do they have one on file to make sure that when property is sold that they have this double checked to catch the private side on this issue.

Mr. Utz asked if this was something that they did in other communities.

Mrs. Coyle stated that she knows that other communities do this and some were forced to do so under Consent Decree.

Mr. Utz asked Mrs. Coyle if she could get a copy of some of these practices in other cities and maybe that can take it to the council as a proposed ordinance.

Mr. Dixon stated that Hans wants to meet with the board to discuss what has been done and what needs to be done.

Mrs. Coyle asked if they could reach the SCADA from the internet.

Mr. Conrad stated that he could not but he can access it from his home PC. He said in order to do this they will be talking about an upgrade on the SCADA system.

Mrs. Coyle stated if they are using the SCADA system to only tell them if the pump is on or off then it is being underutilized.

Mr. Conrad stated that he has said this for years but it will be a very costly upgrade to rerun the wires.

Mr. Utz stated that they need to have Mr. Elling's computer guy come down and look at the system.

Mr. Elling discussed the telemetry system and the faulty information that they are getting from this system.

Mr. Conrad stated that this is why they installed separate dialers.

Mr. Elling stated that this is why he wanted to discuss whether or not they want to be able to have two-way communications with the telemetry.

There was a lengthy discussion regarding the reports and information that they could get with a two way communication telemetry system. Mr. Elling asked if they want him to look at a new telemetry system since the one they have is faulty and it is not a two way communicator.

Mr. Elling asked what stations they would want permanent meters installed. He informed them that Jacobs Chapel and Chapel Creek, according to the master plans estimates, are under sized and they need to monitor the flows so that they can see if they need to be up-graded.

ADJOURNMENT:

There being no further business before the Sewer Board, the meeting adjourned at 11:11 a.m.

Respectfully submitted,

Ron Carroll, Chairman

Marcey J. Wisman, City Clerk